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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/626,551

07/27/2000

Shahriar Emami

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02/22/2005

MOTOROLA, INC
INTELLECTUAL PROPERTY SECTION
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EXAMINER

NGUYEN, KHAI M

ART UNIT

PAPER NUMBER

2819

DATE MAILED: 02/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/626,551

Applicant(s)

EMAMI ET AL.

Examiner

Khai M. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 July 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 12-15 is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 7/27/2000.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Specification

1. The application has not been checked to the extent necessary to determine the presence of all possible typographical and grammatical errors. However, Applicant's cooperation is requested in correcting any errors of which he/she may become aware in the application.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 11 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The phrase "the test compressor" lacks antecedent basis. Correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Domyo et al. (US 5,872,530) (**Domyo**).

Regarding claim 1, Domyo discloses (Fig. 2...Fig. 13, for example) a data compressor for compressing a data file (input data 201) and an associated method of using the same, comprising: a set of dictionary lists (static/dynamic) lists that comprises a set of statically encoded words (which are encoded by the static encoder 240 – column 6, lines 56-60); a dynamic word encoder (230) that generates a set of dynamically encoded words (output of the operational bloc 231) from words in the data file that are not in the set of statically coded words (line 40 of column 9 to line 48 of column 10); and a data encoder (200) that compresses the data file (201) by determining (line 35 of column 5 to line 60 of column 6) whether words in the data file are in the set of statically encoded words or in the set of dynamically encoded words.

Regarding claim 2, Domyo discloses (Fig. 2) the apparatus of the above claim including a primary dictionary list comprises both statically encoded word portion (generated by the operational block 240) and a dynamically encoded word portion (which is generated by the dynamic generating means, 230).

Regarding claim 3, Domyo discloses the words in the primary dictionary list are identified by eight bit tokens (8-bit byte - column 10, lines 1+).

Regarding claims 4-5, Domyo discloses the set of dictionary lists comprises a common word dictionary list of at least 50,000 statically encoded words greater or equal to 4 characters in length (column 8, lines 40-45).

Regarding claim 6, Domyo discloses the common word dictionary list comprises a predetermined number of most frequent words in a set of test data file (column 14, lines 15-20).

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Regarding claims 7-8, Domyo discloses the set of dictionary lists include a common word dictionary list of statically encoded common words comprising words greater than 3 characters in length (column 9, lines 44-46).

Regarding claim 9, Domyo discloses (column 6, lines 56-60) the method of claim 9 which is associated with the apparatus of claim 1, including steps of, in a first computer means (240), determining (column 6, lines 37-40) a set of statically coded words to be used in a data compressor (200); and storing (in the register 244) the set of statically coded words in the data compressor; and in the data compressor (200), determining (column 6, lines 41-44) a set of dynamically coded words from words in the data file (input data 201) that are not in the set of statically coded words, and storing (in the registering means 234) the set of dynamically coded words in a dictionary list of the data compressor (200).

Regarding claim 10, Domyo discloses the method of compressing a data file (input data 201) by determining whether a word in the data file is in the set of statically encoded words or in the set of dynamically encoded words, and when the word is determined to be within the sets of encoded words, substituting for the word a token that identifies the word within the sets of encoded words (column 6, lines 37-47 and column 13, lines 40-50).

Regarding claim 11, Domyo discloses (see Fig. 2) a method used for constructing a dictionary list (dynamic/static) used in a data compressor (200), comprising steps of: determining a complete set of statically encoded words to be used in the data compressor; and storing (in 244) the complete set of statically encoded

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words in the data compressor (col. 6, lines 56-59); and determining a set of dynamically encoded words from words in a data file (201) that are not in the complete set of statically encoded words; and storing (234) the set of dynamically encoded words in a dictionary list of the data compressor.

Allowable Subject Matter

5. Claims 12-15 are allowed.

Prior Art

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure (see the attached PTO-892).

Contact Information


7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khai M. Nguyen whose telephone number is 571-272-1809. The examiner can normally be reached on 8:30 to 5:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael J Tokar can be reached on 571-272-1812. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KN
February 17, 2005


Michael Tokar
Supervisory Patent Examiner
Technology Center 2800